



2008 LMOP PROJECT EXPO

ST. LANDRY PARISH LANDFILL

WASHINGTON, LOUISIANA



LANDFILL OVERVIEW

Open Year: 1985

Estimated Closure Year: 2032

Waste in Place: 1.4 million tons

Design Capacity: 4.1 million tons

Annual Acceptance: 70,400 tons (2006)

Landfill Area: 35 acres

Waste Depth: 90 feet

Flare in Place: No

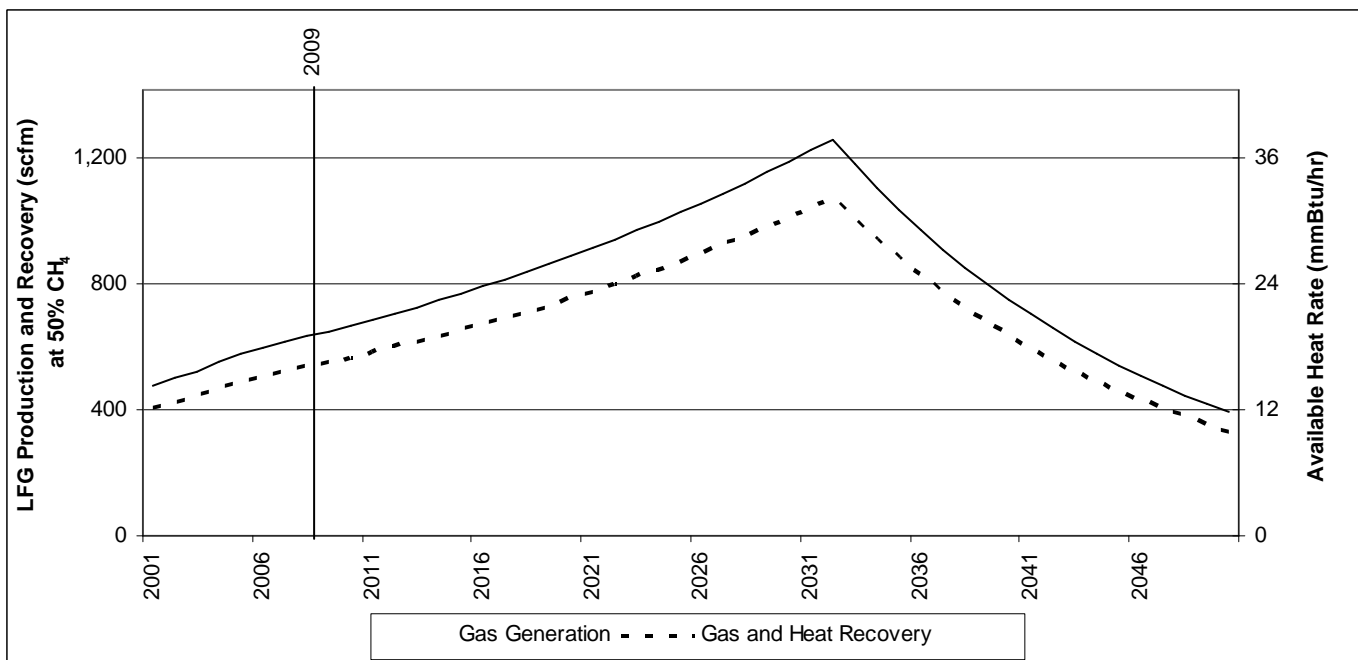
Methane Content of Gas: Estimated 50%

ENVIRONMENTAL BENEFITS

St. Landry Parish Landfill reports that it is not currently required to collect and combust landfill gas under the Landfill NSPS/EG. Collection and control of the landfill gas at its estimated extraction rate of 554 scfm in 2009 would result in direct emission reductions of 54,000 metric tons of CO_{2e} and utilizing the gas to generate electricity would result in the avoidance of 7,600 metric tons of CO_{2e} emissions due to displaced electricity generation from conventional fossil fuel sources. These emission reductions are equivalent to any one of the following annual environmental benefits for 2009:

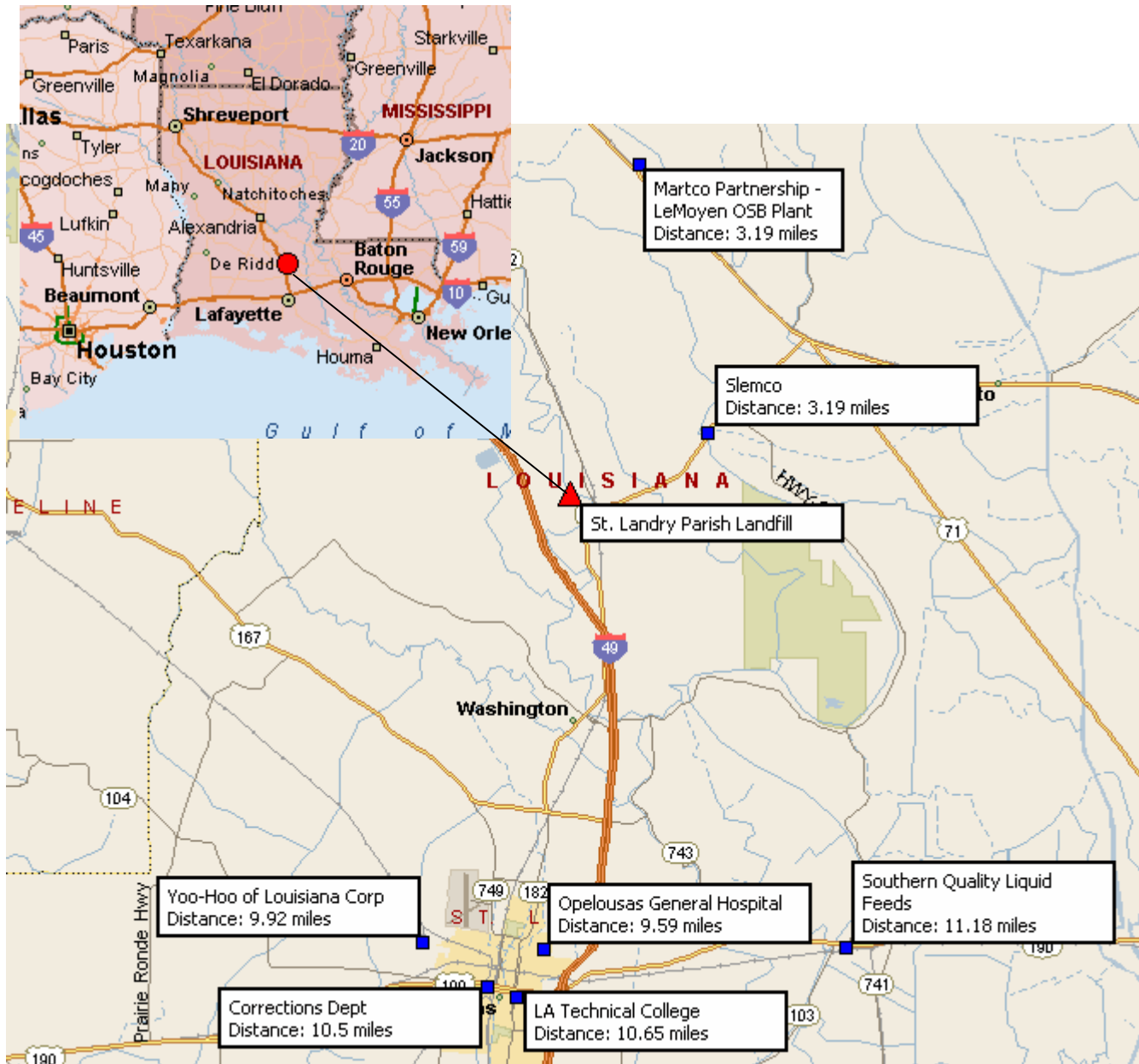
- Annual greenhouse gas emissions from 11,300 passenger vehicles
- Carbon sequestered annually by 14,100 acres of pine or fir forests
- CO₂ emissions from burning 320 railcars' worth of coal
- CO₂ emissions from 144,300 barrels of oil consumed

LANDFILL GAS AND ENERGY POTENTIAL



- LandGEM 2009 LFG Recovery: 554 scfm
- LandGEM Peak Recovery Estimation: 1,073 scfm (in 2032)

LANDFILL LOCATION AND POTENTIAL END USERS



ADDITIONAL INFORMATION

In addition to the industrial end users listed above, generating electricity may be another viable option. The Louisiana Public Service Commission (PSC) has issued rules that require publicly-owned utilities and rural electric cooperatives to offer net metering to residential and commercial customers.

The landfill has had an engineer conduct a pre-feasibility study and gas sampling to evaluate LFG energy project potential.

FOR MORE INFORMATION

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